EXTENDED PROGRAMME

Monday, 10th of June 2019

12:00 – 20:00	Registration
13:00 – 15:30	Meeting Scientific Board
Opening session	
16:00 – 16:30	Welcome speech by organizers
16:30 – 17:15	Opening Lecture: From genome to pan-genome in barley and wheat. Nils Stein (IPK Gatersleben, Germany)
17:15 – 18:00	Plenary Lecture: Morphogenetic regulatory networks.
	Miltos Tsiantis (Max Planck Institute Cologne, Germany)
18:00 – 21:00	Welcome Party

PLANT BIOTECHNOLOGY: GREEN FOR GOOD V.



Tuesday, 11th of June 2019

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8:30 – 12:30	Registration	
Crop biotechnology Chair: I. Dodd		
09:00 - 09:40	Keynote lecture: Drought adaptation and flowering time control in barley.	
	Maria von Korff Schmising (Max Planck Institute, Cologne, Germany)	
09:40 – 10:00	Domestication delayed circadian rhythms in tomato.	
	José Jiménez-Gómez (INRA Versailles, France)	
10:00 – 10:20	Using site-directed mutagenesis to manipulate beer quality and other cereal traits.	
	Goetz Hensel (Leibniz Institute of Plant Genetics and Crop Plant Research)	
10:20 – 10:40	Targeting gibberellin signalling for improved plant architecture and stress tolerance in wheat.	
	Peter Hedden (Laboratory of Growth Regulators, Czech Academy of Sciences, Institute of Experimental Botany & Palacký University)	
10:40 - 11:00	Coffee Break	
Plant-microorganism interactions I Chair: S. Wendeborn		
11:00 - 11:40	Keynote lecture: Arbuscular mycorrhiza development and function.	
	Caroline Gutjahr (Technical University of Munich, Germany)	
11:40 – 12:00	Advanced light-sheet fluorescence microscopy of plant development and plant-microbe interactions in <i>Medicago sativa</i> .	
	Miroslav Ovečka (Palacký University Olomouc, Czech Republic)	
12:00 – 12:20	Follow-up of the degradation of thiametoxam and its metabolite clothianidin in open field cultivated industrial tomatoes: influence of mycorrhizal inoculation.	
	Kamirán Hamow (Hungarian Academy of Sciences, Centre for Agricultural Research, Hungary)	
12:20 – 12:40	The efficacy of plant hormone containing product GreenCytokinin in field experiments.	
	Simona Larsson (Razosanas Tehnologijas, Latvia)	
12:40 - 14:00	Lunch	

10 – 13 JUNE, 2019 OLOMOUC, CZECH REPUBLIC

Plant genetics and genomics

Chair: G. Hensel

14:00 – 14:30	Keynote lecture: Plant epigenetics, plant - plant environmental interactions. Claude Becker (Gregor Mendel Institute, Vienna, Austria)	
14:30 – 15:00	Genome stability in maize. Lieven de Veylder (VIB Ghent, Belgium)	
15:00 – 15:20	SMC5/6 complex maintains normal ploidy levels of male gametes during generative development in Arabidopsis. Ales Pečinka (Institute of Experimental Botany CAS, Czech Republic)	
15:20 – 15:40	MicroRNA-regulated stress responses in banana. Jennifer Ann Harikrishna (University of Malaya, Malaysia)	
15:40 – 16:10	Coffee Break	
Plant-microorganism interactions II Chair: E. Balázs		
16:10 – 16:30	Volatile compounds other than CO2 emitted by different microorganisms promote distinct post-transcriptionally regulated responses in plants.	
	Javier Pozueta-Romero (National Spanish Research Council, Spain)	
16:30 – 16:50	Selection and bioactivity of microalgae for agricultural purposes - concept and biological aspects of the SABANA project. Vince Ördög (Széchenyi István University, Hungary)	
17:00 – 19:00	Poster Session	



Wednesday, 12th of June 2019

Molecular farming and genetic engineering

Chair: I. Frébort

09:00 – 09:40	Cereal genetic engineering.	
	Eva Stöger (BOKU, Vienna, Austria)	
09:40 - 10:00	GWAS: Fast-Forwarding Gene Identification and Characterization in	
	Temperate Cereals.	
	Ahmad Alqudah (IPK, Germany)	
10:00 – 10:20	Study of cytokinin-mediated tolerance under water stress using a novel image method based on the canopy height of barley populations.	
	C. F Marchetti (Palacký University, Czech Republic)	
10:20 - 10:40	Kinetics of nuclear ploidy changes in developing grains of barley.	
	Anna Nowicka (Institute of Experimental Botany CAS, Czech Republic)	
10:40 - 11:00	Coffee Break	
Improvement of food and feed Chair: A. Pečinka		
11:00 - 11:40	Keynote lecture: Plant genome editing.	
	Sungwa Choe (Seoul National University, South Korea)	
11:40 – 12:00	Metabolomics and MALDI MS Imaging (MSI) of metabolites in barley seeds during malting.	
	Karsten Niehaus (Universität Bielefeld, Germany)	
12:00 - 12:20	Highly effective inhibitors of cytokinin oxidase/dehydrogenase.	
	Jaroslav Nisler (Palacký University, Czech Republic)	
12:20 – 12:40	Effects of elicitors on Ginsenoside production in hairy root culture of Panax vietnamensis Ha et Grushv.	
	Loan Ha Thi (Biotechnology Center of Ho Chi Minh city, Vietnam)	
12:40 – 14:00	Lunch	

PLANT BIOTECHNOLOGY: GREEN FOR GOOD V.



Publication and grant workshop

Chair: M. Holecová

14:00 – 14:20	How to be sure your paper will be rejected. Jeff Cole (University of Birmingham, UK)
14:20 – 14:40	Publish or perish OR Publish & perish (ethics in scientific publishing). Lynn Sherrer (Elsevier, USA)
14:40 – 15:00	ERC grant selection process experience. Michal Otyepka (RCPTM Olomouc, Czech Republic)
15:00 – 15:20	Title to be announced Naďa Koníčková (Technology Centre, Czech Academy of Sciences, Czech Republic)
15:20 – 15:40	Coffee Break
15:40 – 17:00	Poster Session
19:00 – 22:00	Networking event



Thursday, 13th of June 2019

Countries India and		
Sustainable environr Chair: M. Otyepka	mental technologies	
09:00 – 09:40	Keynote lecture: Carbonaceous waste: sustainable applications in chemical transformations and environmental remediation. Rajender S. Varma (U.S. Environmental Protection Agency, USA)	
09:40 – 10:10	Iron-based (nano)materials: an advanced tool for water treatment. Jan Filip (Palacký University, Czech Republic)	
10:10 – 10:20	Natural plant biostimulants for invigorating pollen growth. Johannes Van Staden (University of KwaZulu-Natal, South Africa)	
10:20 -10:50	Coffee Break	
Plant environmental interactions Chair: J. Šamaj		
10:50 – 11:30	Keynote lecture: Using rhizobia to reduce N2O emissions. Asa Frostegard (Norwegian University of Life Sciences, Ås, Norway)	
11:30 – 11:50	Size matters!? Influence of giant cells on ER body formation in Arabidopsis thaliana. Alwine Wilkens (Jagiellonian University, Poland)	
11:50 – 12:10	NAI2 and TSA1 Paralogous Are Responsible for Differentiation Constitutive and Inducible ER Body Formation in Brassicaceae. Jakub Bizan (Malopolska Centre of Biotechnology, Poland)	
Closing session		
12:10 – 12:50	Closing Plenary lecture: Microbial redox chemistry of nitrogen in soil by bacteria and archaea.	
	Kyle Lancaster (Cornel University, USA; supported by USDA)	
12:50 – 13:10	Closing remarks, poster awards	
13:10	Final adjournment	